

# TECHNIQUE

## REFRIGERATED CABINETS

### BIOCOLD

SR 530

**TECHNICAL MANUAL** INCLUDING  
- **USER MANUAL**  
- **INSTRUCTIONS**

**BONNET**

BONNET GRANDE CUISINE  
Rue des Frères Lumière - Z.I. Mitry Compans  
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# USER MANUAL

## REFRIGERATED CABINETS

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## IMPORTANT RECOMMENDATIONS

- \* This cabinet is made to be used in restaurants or cattering and not in an industrial way.
- \* Only a specialist can install this cabinet.
- \* Avoid installing the cabinet near a major source of heat or in direct exposure to sunlight.
- \* Note that a too high outdoor temperature can diminish the performance of the appliance.
- \* The condenser of the compressor group must be regularly cleaned (every 3 or 6 months) by a refrigeration engineer.
- \* Do not modify the electrical connection made by the installer and particularly the continuity of the earth circuit.
- \* The feeder which is delivered with the appliance is a specific part, which can only be replaced by an original part.
- \* Make sure that the supply plug is always accessible.
- \* In case of problems with the electrical circuit, only the installer or the constructor is allowed to intervene.
- \* Observe the rules of hygiene by regularly cleaning the:
  - .interior fittings
  - .door seal
  - .the interior linerDo not use corrosive products or acid.
- \* Water spattering can cause damage.
  - Do not clean with a water jet in order to avoid spattering on the appliance.
  - . Do not install the appliance in the open air or in the rain.

THE SPECIFICATIONS AND CHARACTERISTICS IN THIS NOTICE  
MAY BE MODIFIED WITHOUT PRIOR NOTICE.

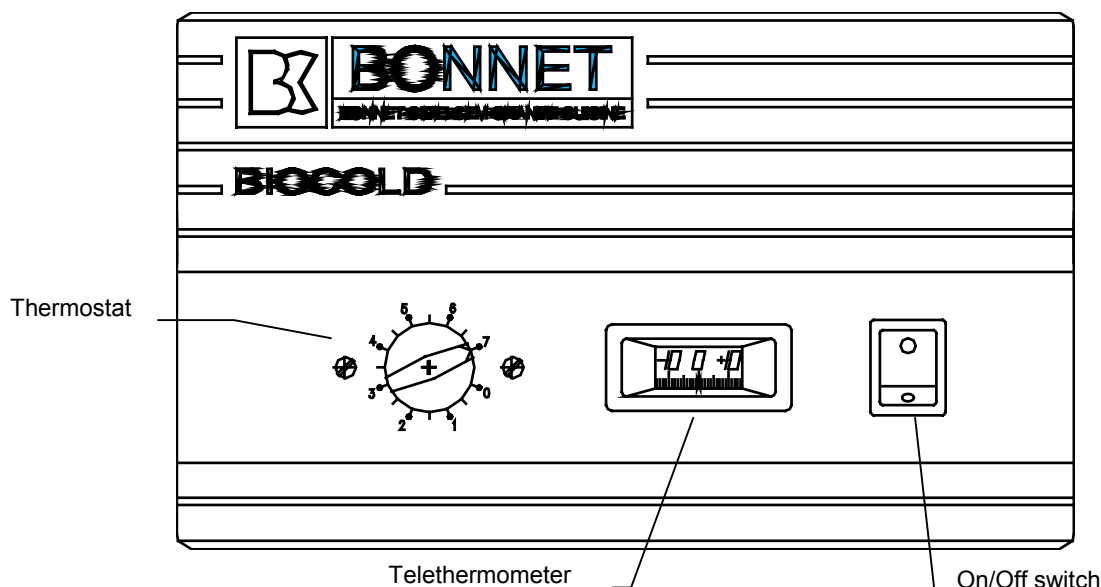
# **1. PRESENTATION OF THE CONTROL PANEL**

## **1.1 WARNING**

The thermostat does not cut off the main power of the appliance.

If the appliance is not used during a long time, power must be cut off with the on/off switch, the plug or the disconnecter because of the risk of damaging the refrigerating equipment.

## **1.2 CONTROL PANEL**



Telethermometer which indicates the temperature inside the cabinet.  
Thermostat graduated from 0 to 7. The lower temperature is obtained at the position 7. This thermostat is equipped with a probe whose location is imperative. In the case of a replacement, take care to carefully respect this location.

## **2. USE**

### **2.1 GENERAL REQUIREMENTS**

When operating for the first time or after prolonged period out of use, the appliance should be run empty.

Loading may start only once the temperature set by the thermostat has been reached.

Do not store food products in any way likely to hinder the ventilation system which ensures the correct distribution and circulation of cold air inside the appliance.

### **2.2 LOADING**

A space of at least 15 mm is required between the each item to allow refrigerated air to pass around the products.

### **2.3 VENTILATION**

The ventilation system is deliberately powered at all times ; this ensures operation when the doors are open and means that during heavy duty or loads the front of the evaporator does not ice up.

### **2.4 DEFROST**

Whatever the position of the thermostat, defrost is ensured after each stop. If defrost seems to be excessive, bring back periodically the thermostat switch to the inferior position or position on 0.

### **2.5 DEFROST WATER COLLECTION**

Under each appliance is a tray to collect the defrost water and has to be emptied. The rate at which it has to be emptied depends above all on the rate of service and the outdoor temperature conditions in which the cabinet is operating. In principle the tray should be emptied a maximum of once per day.

### **3. SERVICE**

#### **WARNING**

Before any cleaning of electrical components,  
ensure the appliance is switched OFF.

Do not clean with a water jet  
in order to avoid spattering on the appliance.

#### **3.1 INTERIOR LINING**

It is necessary to eliminate stains once per day.

To ease the complete cleaning of the interior lining, the internal fitting can be easily disassembled (shelf slide and slides support).

#### **3.2 STAINLESS STEEL SURFACE**

Use warm water and soap or a non-corrosive neutral detergent (such as Teepol or an equivalent product). Carefully rinse and dry the appliance

Never use Javell water, even when highly diluted.

Never rub stainless steel with metal wool; if necessary, use only Scotch Brite or an equivalent product. Fingerprints can be easily removed by rubbing with a cloth soaked in alcohol.

#### **3.3 PERIODICAL CLEANING.**

In order to maintain the refrigerating capacity and to ensure the longevity of the compressor, it is necessary to clean regularly (every 3 or 6 months) the condenser unit. This operation must be carried out by the installer.





# INSTRUCTIONS

## REFRIGERATED CABINETS

### BIOCOLD

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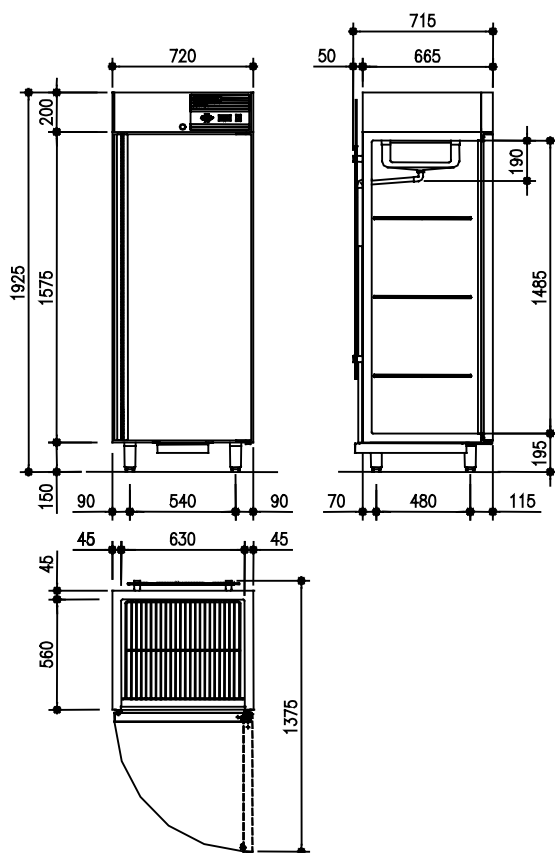
## IMPORTANT RECOMMENDATIONS

- \* When installing the cabinet, ensure that air circulation and volume is adequate to enable normal cooling of the condenser and compressor.
- \* Avoid installing the cabinet near a major source of heat, or in direct exposure to sunlight.
- \* Note that a too high outdoor temperature can diminish the performance of the appliance.
- \* Continuity of the earth circuit must be maintained between the appliance and its power point.
- \* The feeder which is delivered with the appliance is a specific part, which can only be replaced by an original part.
- \* Make sure that the supply plug is always accessible.
- \* The installer is responsible for protecting the appliance against overloads or electrical defects. Ensure a circuit-breaker or fuses are installed (see description).
- \* Any operation on the electric or refrigerating circuits and all cleaning operations are to be performed only when the appliance has been switched OFF.
- \* The condenser must be regularly cleaned (every 3 or 6 months).
- \* Water spattering can cause damage.
  - Do not clean with a water jet in order to avoid spattering on the appliance.
  - . Do not install the appliance in the open air or in the rain.
- \* By any operations, respect absolutely initial fitting rules to ensure the security of the appliance.

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MODIFIED WITHOUT PRIOR NOTICE.

# 1. TECHNICAL DATA

## SR 530



### CONSTRUCTION

White plasticized sheet exterior casing (sides, front panel, door).

Stainless austenitic interior lining.

Back, top and bottom of the exterior casing in corrosion proof galvanized sheet.

### Insulated body

- Monocoque type.
- Radiused interior
- Polyurethane foam insulation, 45mm thick.
- Thermal break between inner and outer structure.
- 4 adjustable legs.

### Plain door

- Magnetic door seal.
- Door opening can be reversed.

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### TECHNICAL DATA

Voltage : 1~230V 50 Cycle

Input power : 250 W

Protection : aM 4

Delivered with a moulded plug.

The installer is responsible for protecting the appliance against overloads or electrical defects. Ensure a circuit-breaker or fuses are installed.

Refr. power : 200 W at -10/+55°C

Refrigerant : R134a

Load : See appliance instruction plate.

Compressor : Hermetic

Condenser : Static

Evaporator : Ventilated, corrosion proof

Defrost water : Collection tray located under the appliance.

## **2. INSTALLATION**

### **2.1 GENERAL REQUIREMENTS**

All installation, modification or repair work on the appliance must be carried out by a specialised installer according to industrial standards.

### **2.2 HANDLING**

The appliance must be handled with suitable hoisting equipment.

If the appliance is to be transported, use its original pallet and never lay it over other appliances.

When moving the appliance without its pallet, it must be carried and not pulled out.

### **2.3 UNPACKING AND INSTALLATION**

#### **2.3.1 LOCATION**

When choosing the location, make sure that there is sufficient air circulation around the appliance to allow correct cooling of the condenser and compressor.

Do not install near a source of heat.

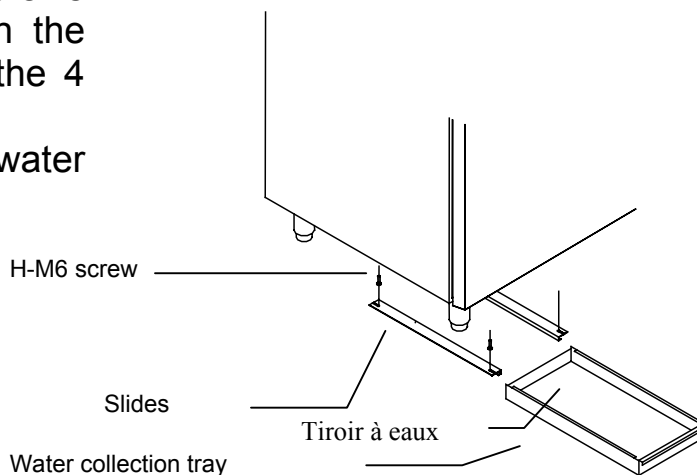
#### **2.3.2 UNPACKING**

Follow the instructions supplied with the unit.

### 2.3.3 DEFROST WATER COLLECTION TRAY ASSEMBLY

First screw the 4 H-M6 screws then put the slides into place in the slots. Tighten again completely the 4 screws.

Then install the defrost water collection tray.



### 2.3.4 CONNECTIONS

See paragraph 1. 'Technical data'.

#### ELECTRICAL

The appliance is fitted with a power plug which must not be disconnected.

Continuity of earth circuit must be ensured (see important recommendations).

The user is responsible for installing a circuit-breaker or fuses.

#### DEFROST WATER

The defrost water collection tray can be replaced by a drain trap (20 mm connection).

## **3. OPERATION**

### **3.1 GENERAL REQUIREMENTS**

Ensure that nothing blocks up the evaporator and condenser fans.

If the cabinet may have been laid on its side during transport or installation, wait 24 hours before starting operation in order for the oil to flow back from the refrigeration circuit to the compressor crankcase.

For appliance with grates, put the shelf slides onto the slides support.

### **3.2 CONTROL PANEL**

See user manual.

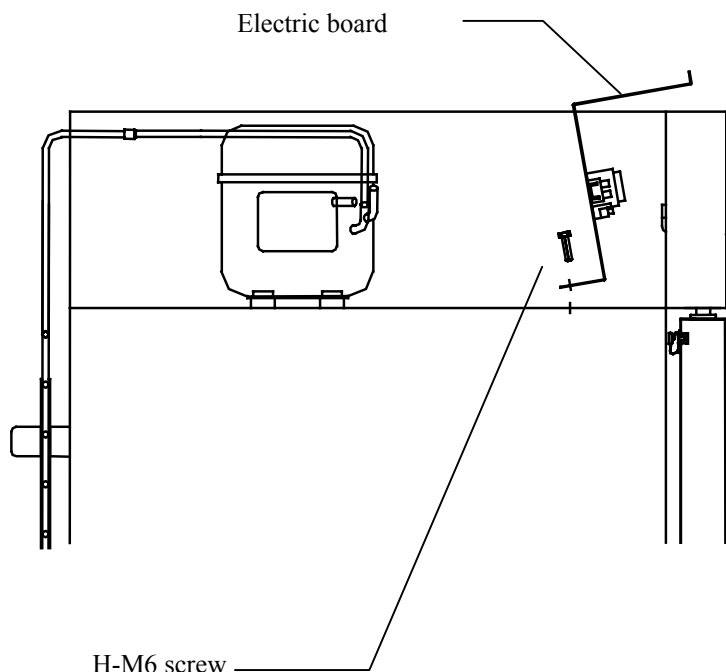
## 4. INTERVENTIONS AND REPAIRS

### WARNING

Before any operations, ensure the appliance is switched OFF.

#### 4.1 ACCESS TO ELECTRIC PLATE

Remove the electric plate unscrewing the H-M6 screws which fix it on the ceiling.



#### 4.2 EVAPORATOR ACCESS

Take out the rubber elbow from the ABS housing.

For freezing cabinets, take out the flow heater to avoid hazards. Make sure to put it correctly while reassembling it into the flow tube.

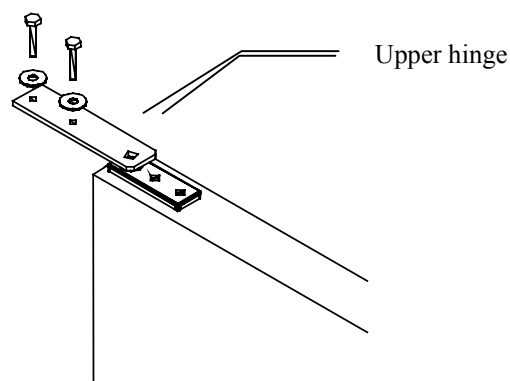
According to cabinets, use a screwdriver (flat tool) or unscrew the ABS housing.

## 4.3 DOORS DISASSEMBLY AND REASSEMBLY

- Unscrew the upper hinge using a 10 wrench.

- Then disengage the door from the lower hinge.

NOTA : The upper hinge remains fastened to the door whereas the lower hinge is fastened to the cabinet.



### REVERSING OPENING :

After taking apart door, fix the top right-hand hinge support which still is in the bottom left-hand corner of the door, and remove the hinge support which is in the bottom right-hand corner of the cabinet.

Turn round the door and fit it to the bottom left-hand hinge support fixed on the cabinet, then fit the top left-hand hinge support on the door, and fix it on the cabinet.

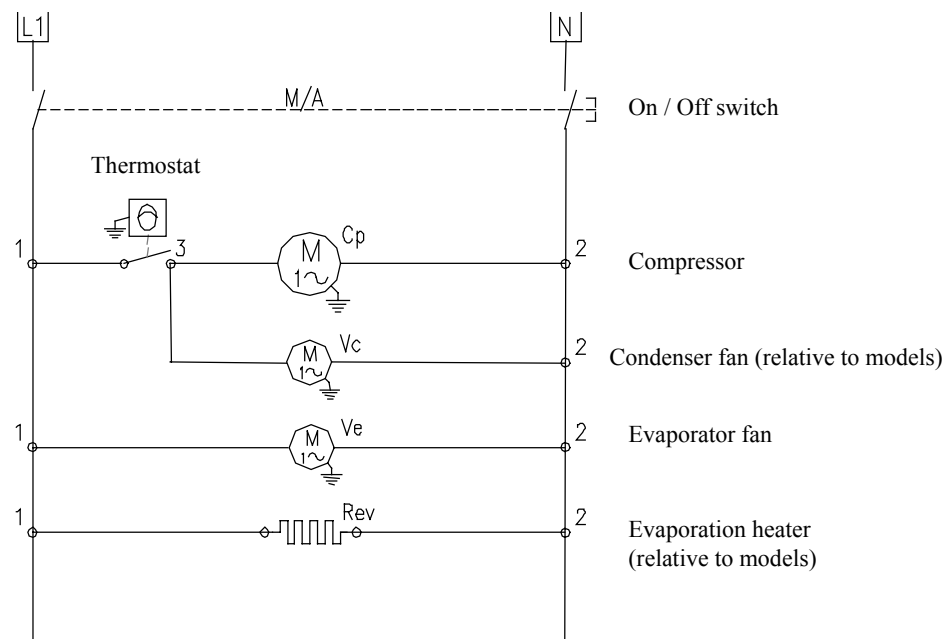


# 5. ELECTRICAL DIAGRAMS

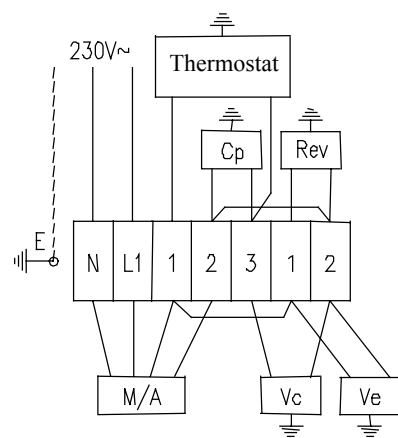
## 5. ELECTRICAL DIAGRAMS

PRINCIPLE MODEL

(N°SE122)



CONNECTION MODEL



## **6. SPARE PARTS**

### **6.1 CASING**

CODE	DESIGNATION
S70P02	Black plastic stand
S480PM51	Right facia side
S480PN51	Left facia side
S481P51	Facia bracket
S174P51	Control panel
S170P51	Control panel with recorder
S175P51	Electronic control panel
S171P51	Electronic control panel+recorder
S478PM51	Left/right front slides support
S478PN51	Left/right front slides support
S479P51	Back slides support
S032P03	Support axis screw
S043PA58	Insulated white / stainless door
S306P11	Door label
S136P11	Door magnetic seal
S486P51	Door clip (option)
S352P51	Lock stiffener (option)
S053P01	lock (option)
S057P01	Catch bolt (option)
S009P01	Door hinge support (bottom/right)
S018P02	Door hinge support axis
S085P01	Delrin door hinge

### **6.2 REFRIGERATING ELECTRIC EQUIPMENT**

CODE	DESIGNATION
S090P40	GL 50 AB compressor
S050P30	Wire condenser
S021P20	10 grs. XH 6 dryer
S550PM53	MF2 evaporation unit
S978P70	10/10 lg.3m capillary
S158P15	Evaporator fan
S058P11	Evaporation unit casing
S046P12	Rubber flow tube
S048P12	PVC flexible flow bend
S109P11	PVC fixed flow bend
S086P42	Pressure relief valve
S049P20	0/+12°C thermostat
S054P20	-35/+60°C thermometer
S210P15	On / Off switch
S058P15	Cable clamp
S845P51	Power supply cord
S154P47	Water collection tray slides
S177P51	Water collection tray

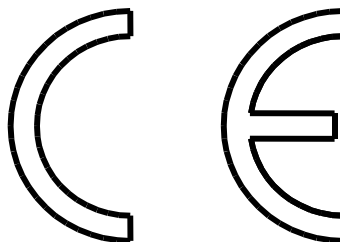


# BONNET

## DECLARATION DE CONFORMITE

CONFORMITY DECLARATION

HERSTELLERKONFORMITÄTSERKLÄRUNG



TYPE / TYPE / TYP :

N° DE SERIE / SERIAL N° / FAB Nr :

**Cet appareil est conforme aux dispositions de la directive « Basse tension » 73/23/CEE et de la directive « Compatibilité électromagnétique » 89/336/CEE.**

*This appliance complies with the provisions of the low voltage directive EEC/73/23 and with the provisions of the electromagnetic compatibility directive EEC/89/336.*

*Dieses Gerät entspricht nach den Bestimmungen der niederspannung-richtlinie EWG/73/23 und den Bestimmungen der elektromagnetischen Übereinstimmung-richtlinie EWG/89/336.*

**Il est également conforme aux dispositions de normes européennes harmonisées suivantes :**

*It is in compliance with the following harmonized standards :*

*Und entspricht ebenfalls der folgenden Europäischen Norme :*

**- EN 60335 - 1**

**Sécurité des appareils électrodomestiques et analogues**

*Safety of household and similar electrical appliances*

*Elektrische Geräte für den Hausgebrauch und ähnliche Zwecke*

### DIRECTION GENERALE

*Général Manager*

*Betriebsleiter*

**H. GIRAUD**

FORM055A1/1